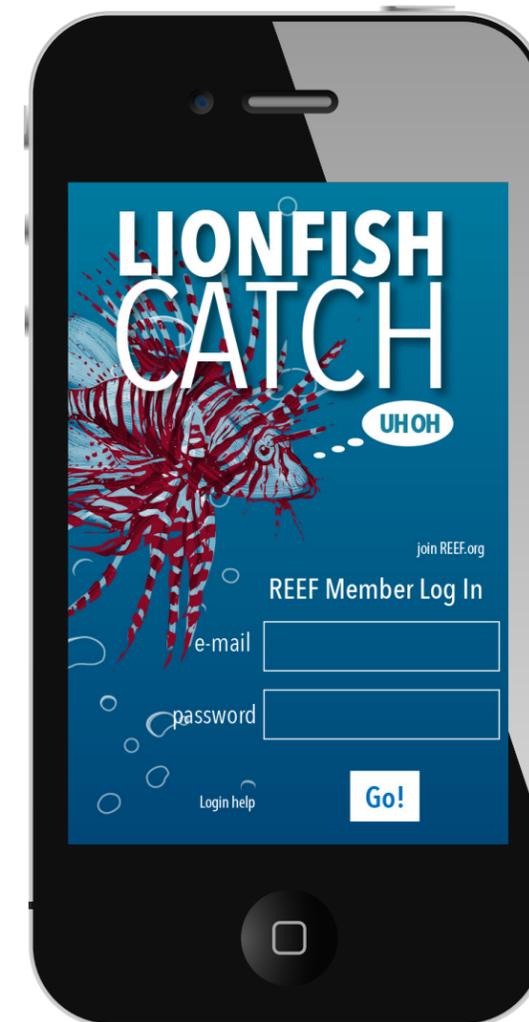
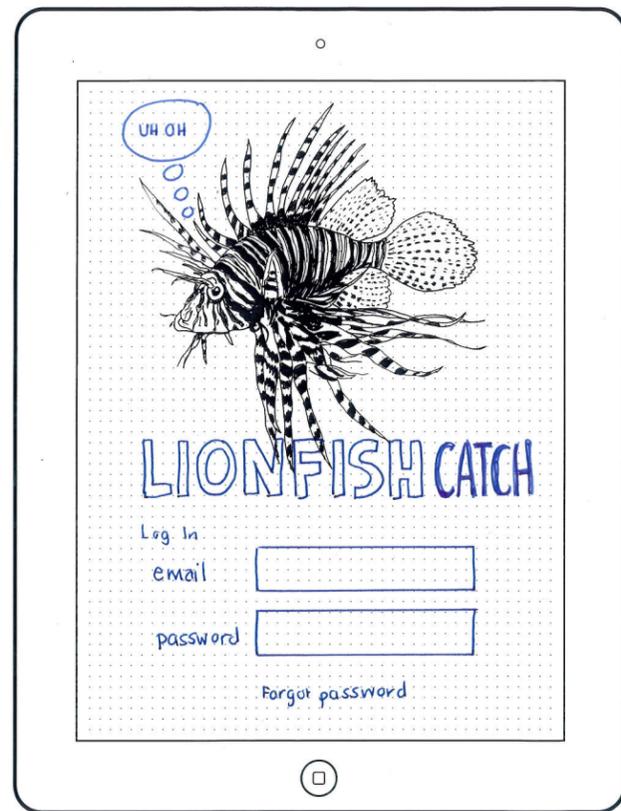


Lionfish Catch

An iPhone app to help manage a terrible invasive species, the lionfish.



andrea
weissenbuehler

Interaction Design ARTC 5360g with Grayson Lawrence
Summer 2013



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About Lionfish Catch App

As lionfish rapidly reproduce and spread throughout the Gulf of Mexico, Caribbean, and Atlantic, several organizations and divers are working to control the exploding population of these ravenous fish without predators.

REEF.org and the USGS have Web based forms where divers can report sightings and catches of lionfish and other invasive species.

See their online forms:

<http://www.reef.org/programs/exotic/report>

<http://nas.er.usgs.gov/sightingreport.aspx>

The idea for Lionfish Catch is to provide a mobile and easy to use form for reporting. The app can take advantage of built in features of the iPhone including GPS, contact information, and date and time to streamline the reporting process—reducing the need for typing. Waterproof cases can protect iPhones aboard dive boats to report from dive sites, as well as provide the option for taking photos during dives.

About Lionfish

Lionfish Attacking Atlantic Ocean Like A Living Oil Spill
Elizabeth Shogren

The lionfish are native to the coral reefs of the South Pacific and Indian Ocean.

They were first spotted off Florida in 1985. But it wasn't until the past decade that large numbers were spotted in the Atlantic, Caribbean and Gulf of Mexico. The fish may have been transported by the aquarium trade.

A recent study found that in just two years, reefs in the Bahamas lost on average 65 percent of their small prey fish. Larger fish, like red snapper and grouper, decreased by more than 40 percent.

Researchers warn that similar devastation could be expected throughout the region.

Why are lionfish such phenomenal invaders?

They reproduce every few days and eat anything that fits into their mouths. And nothing eats them because they're covered with venomous spines.

Full article on [npr.org](http://www.npr.org):
<http://www.npr.org/2013/04/17/177359109/lionfish-attack-the-gulf-of-mexico-like-a-living-oil-spill>

More Information

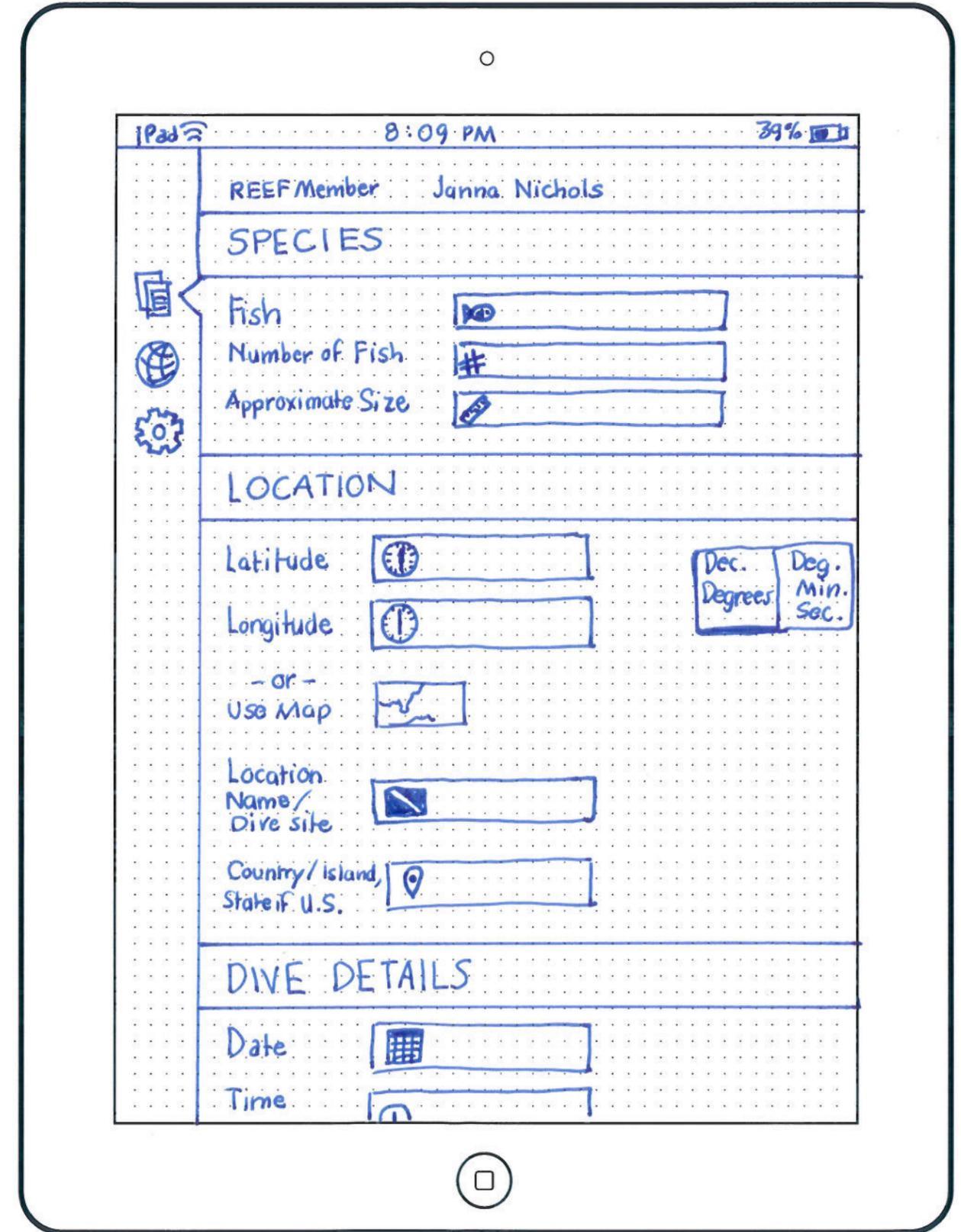
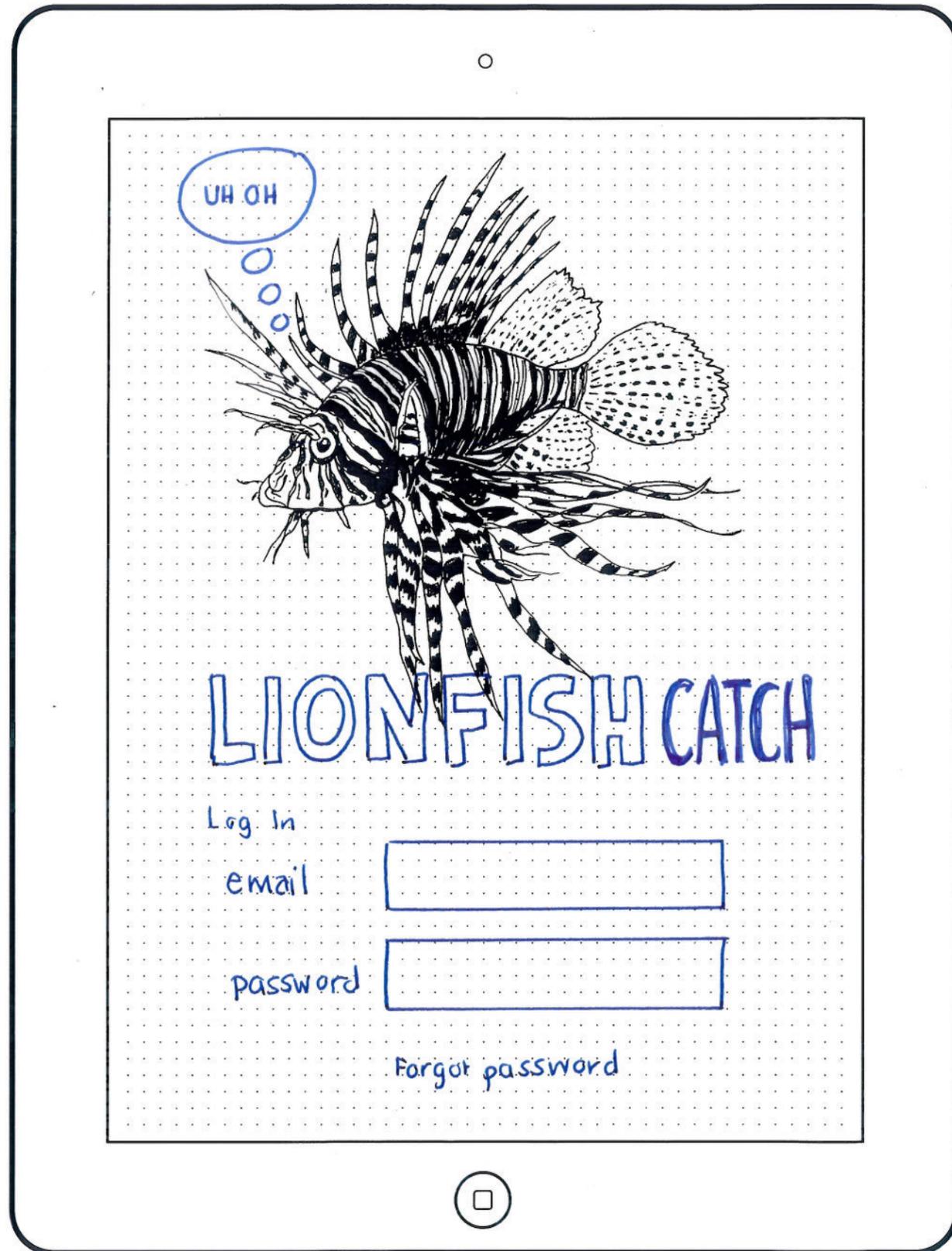
REEF.org Lionfish Facts
<http://www.reef.org/programs/exotic/lionfish>

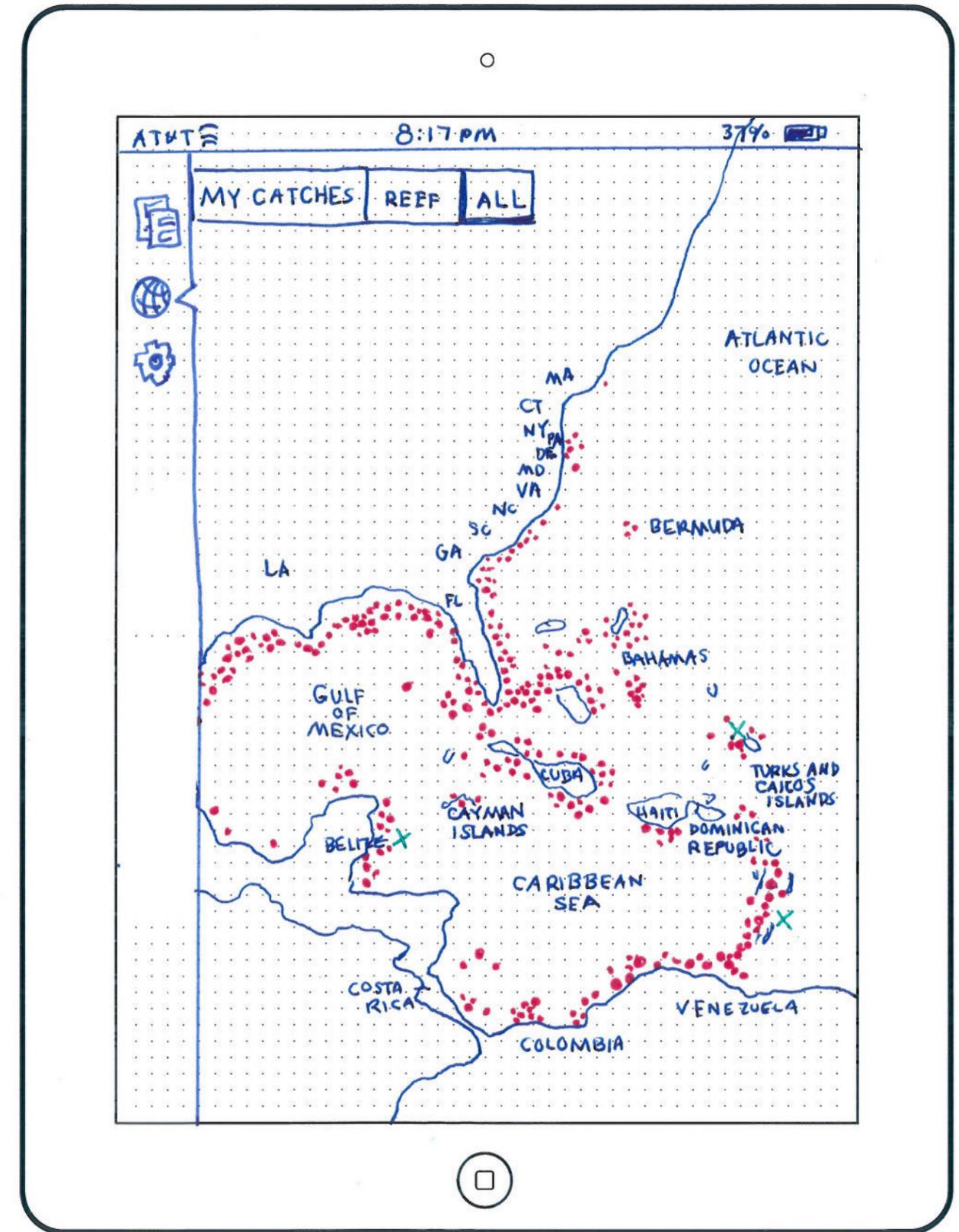
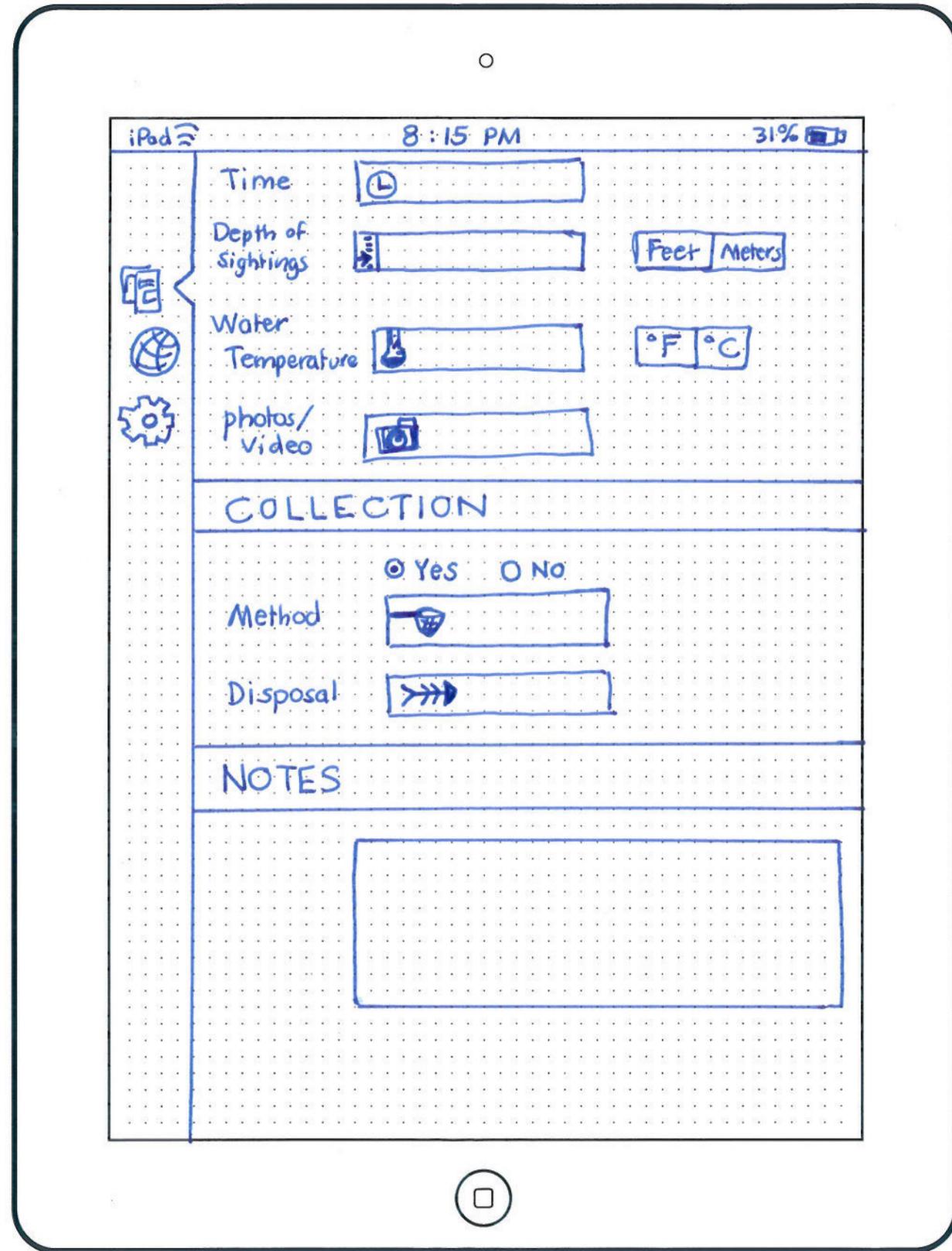
More information from USGS
<http://nas.er.usgs.gov/queries/FactSheet.aspx?speciesID=963>

Animated distribution map of lionfish
<http://nas.er.usgs.gov/queries/SpeciesAnimatedMap.aspx?speciesID=963>

iPad Explorations: Paper Prototypes

The original idea for this app was to create an iPad app for a beautiful reporting experience, featuring maps where catches have been made. The reality is mobile devices are more likely to be aboard a dive boat as well as easier to protect with special cases.





iPhone Explorations: Wireframes



Report Submit

Reef Member **Janna Nichols**

SPECIES

Fish

Number of Fish

Average Size

+ Add Species

LOCATION

📄 🌐 ⚙️ 📧

Cancel **Report** Submit

Fish

Number of Fish

Average Size in cm

Previous Next Done

1 2 3 4 5 6 7 8 9 0
@ & % ? , =
⬆️ _ : - + ⬅️
ABC . / .com Go

Cancel **Report** Submit

Reef Member **Janna Nichols**

SPECIES

Fish

Devil Lionfish/Pterois miles

Red Lionfish/Pterois volitans ✓

Other

LOCATION

📄 🌐 ⚙️ 📧

Cancel **Report** Submit

LOCATION

Latitude

Longitude

Use Map Done

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Cancel **Report** Submit

Fish

Number of Fish

Average Size

+ Add Species

LOCATION

Latitude

Longitude

📄 🌐 ⚙️ 📧

Cancel **Report** Submit

Use Map 

Dive Site

Country/island or state if U.S.

DIVE DETAILS

Date

Time

Depth of Sighting ft m

📄 🌐 ⚙️ 📧

Cancel **Report** Submit

Fish

Number of Fish

Average Size

Previous Next Done

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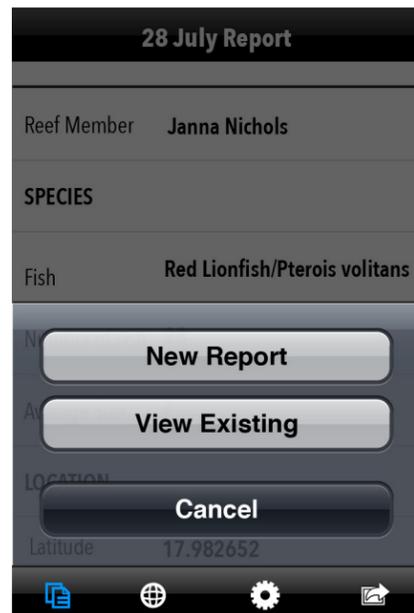
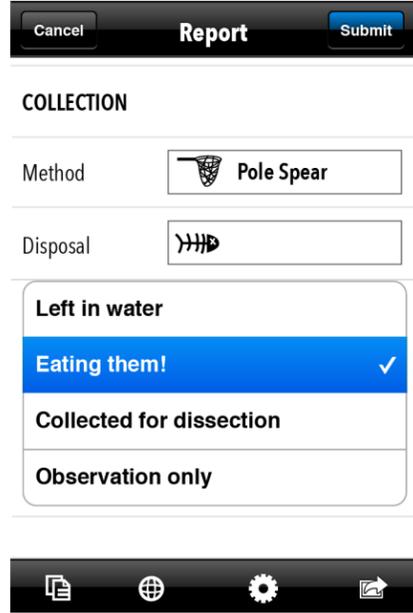
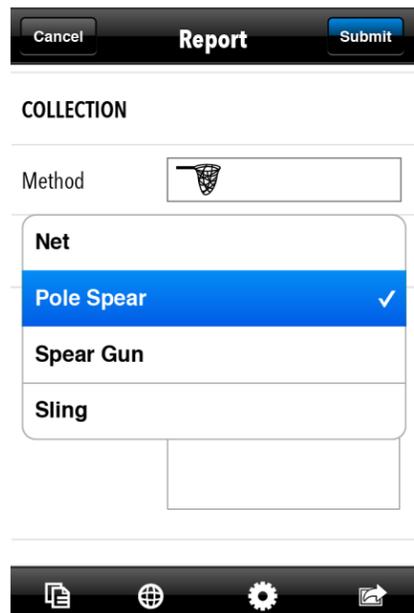
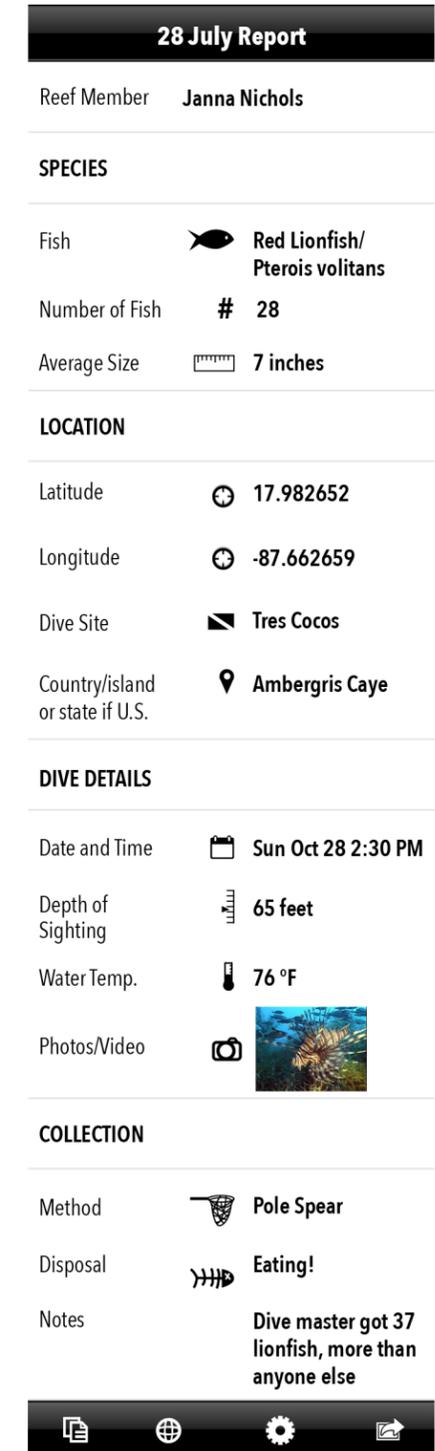
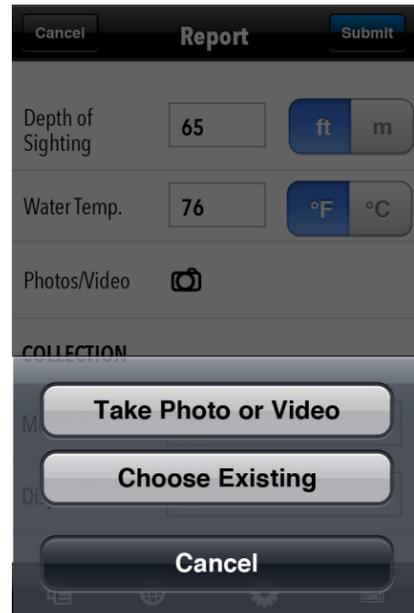
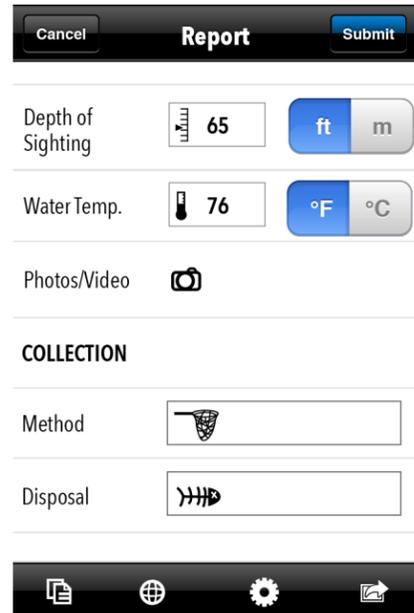
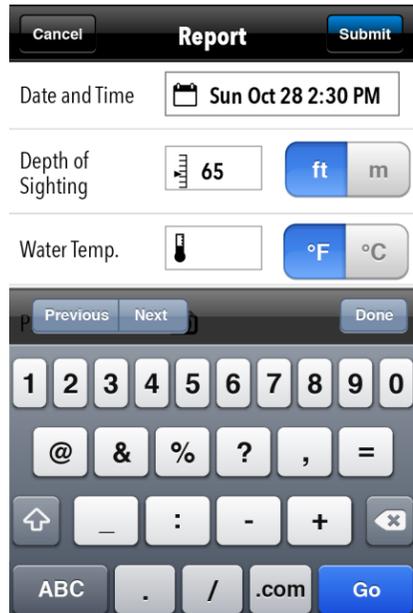
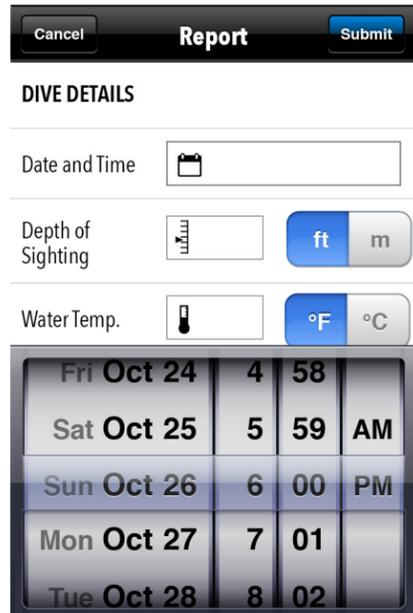
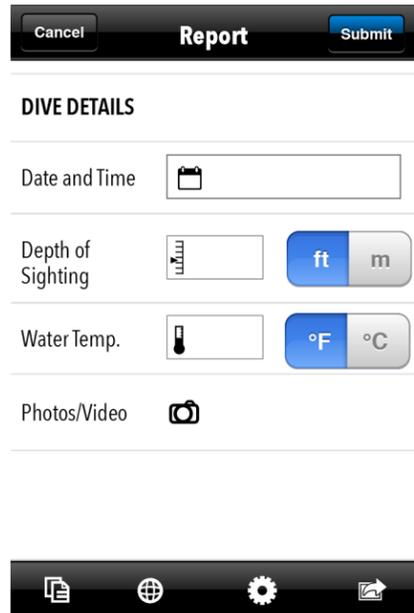
Use Map 

Dive Site

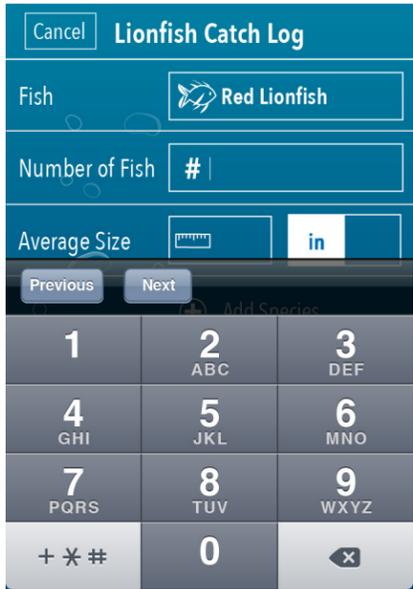
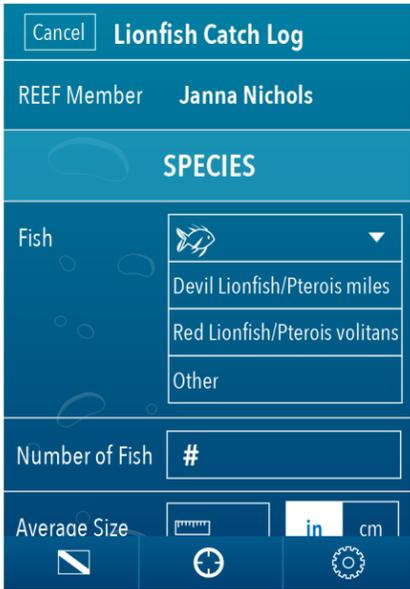
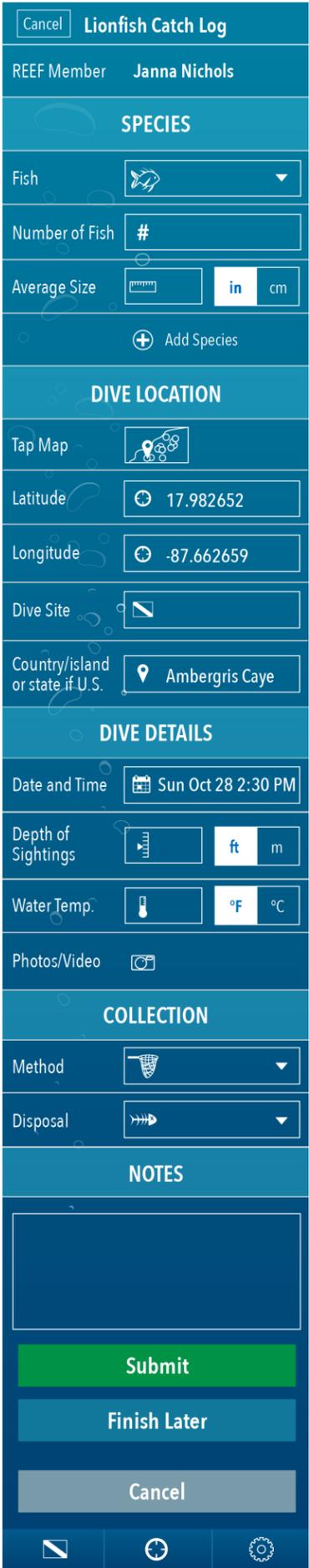
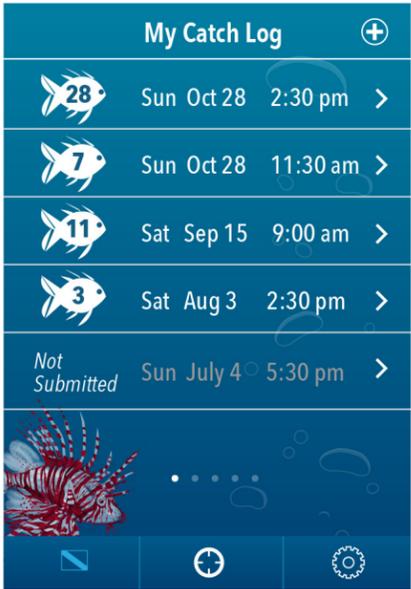
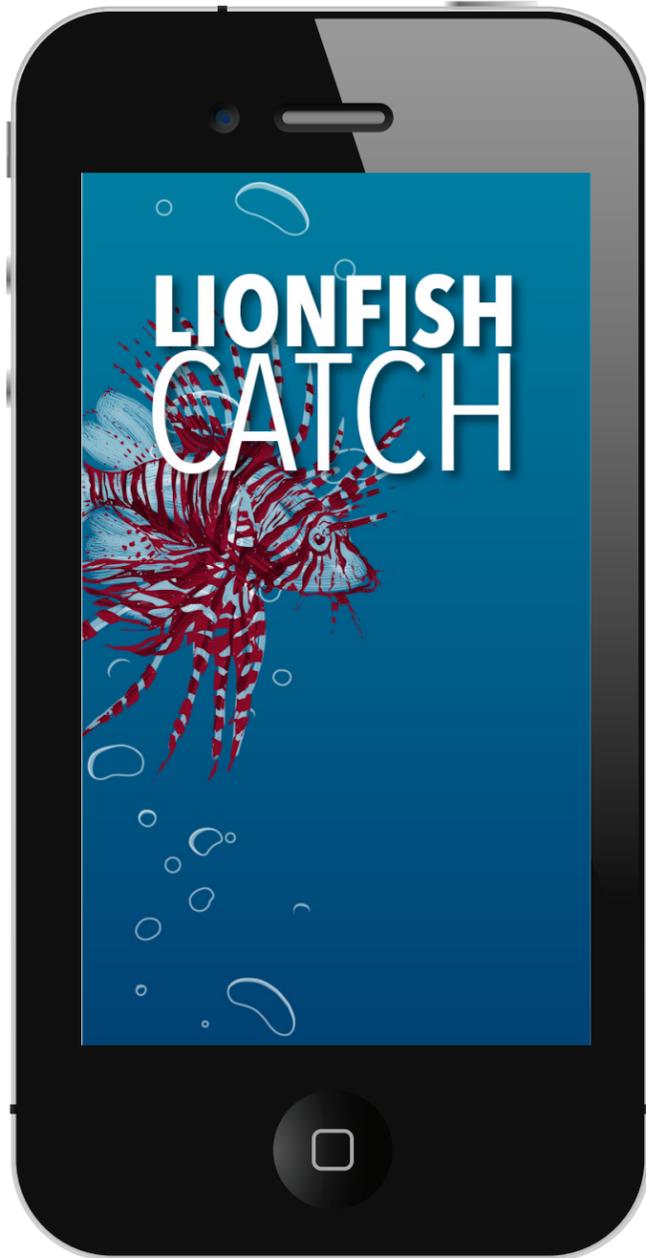
Country/island or state if U.S.

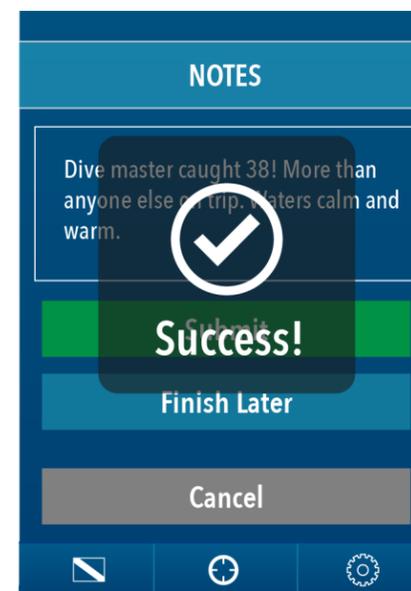
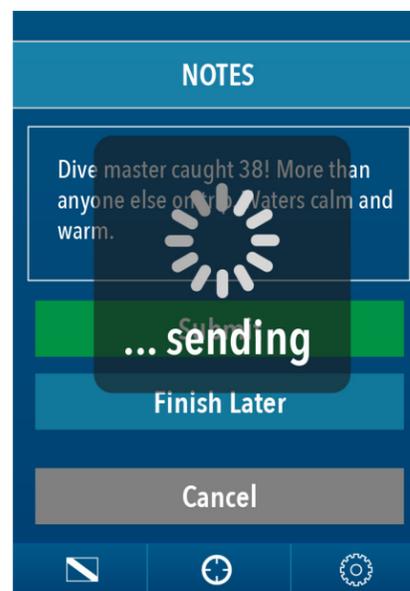
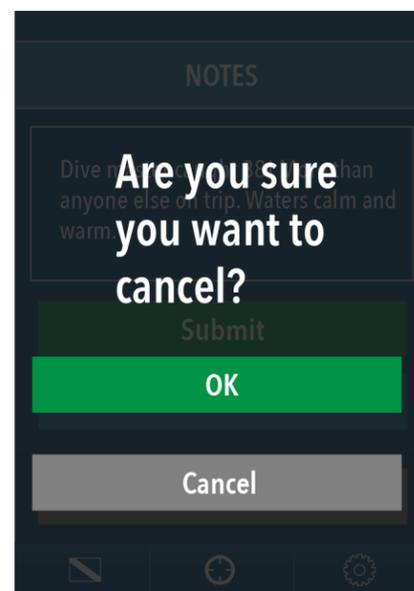
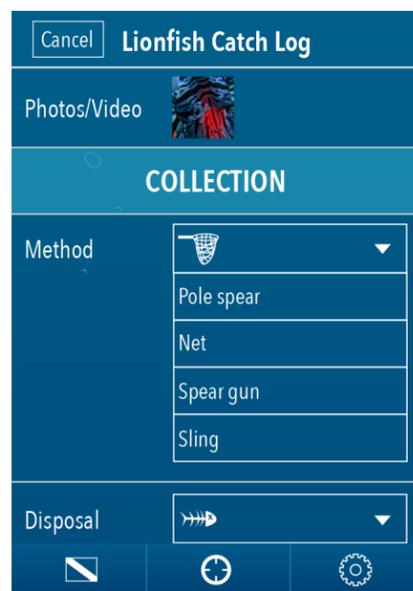
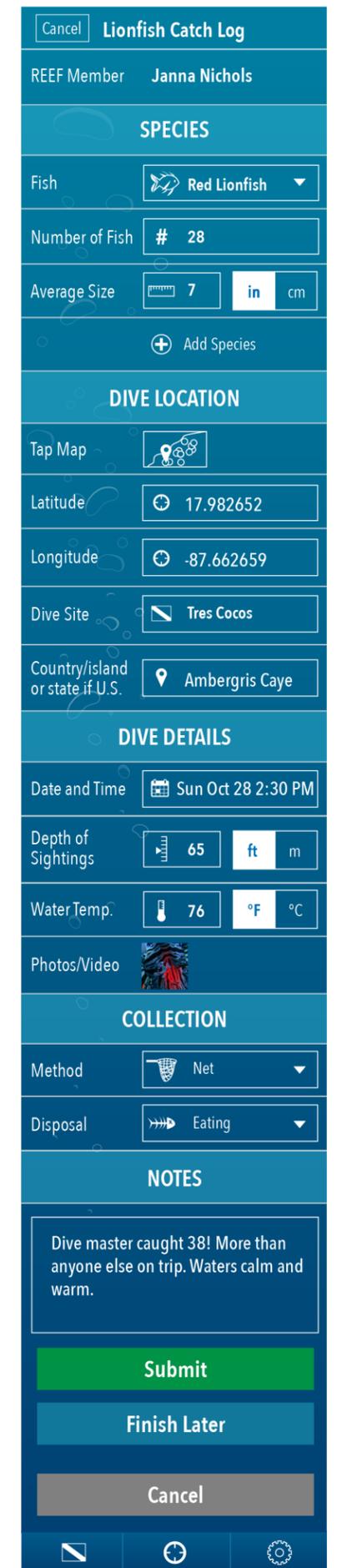
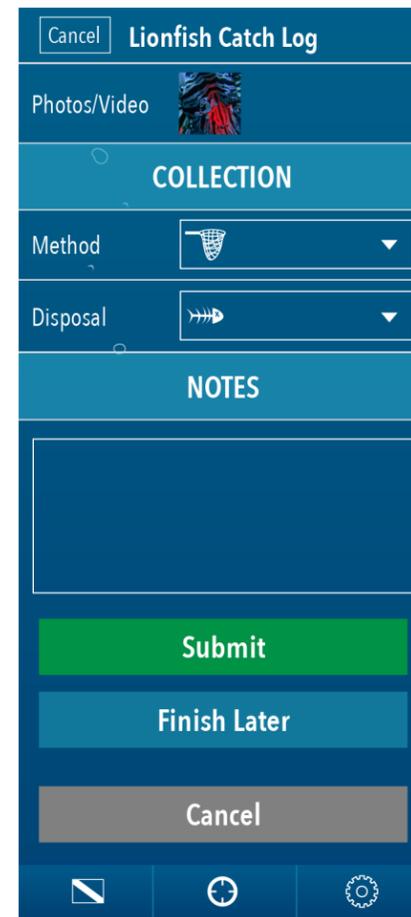
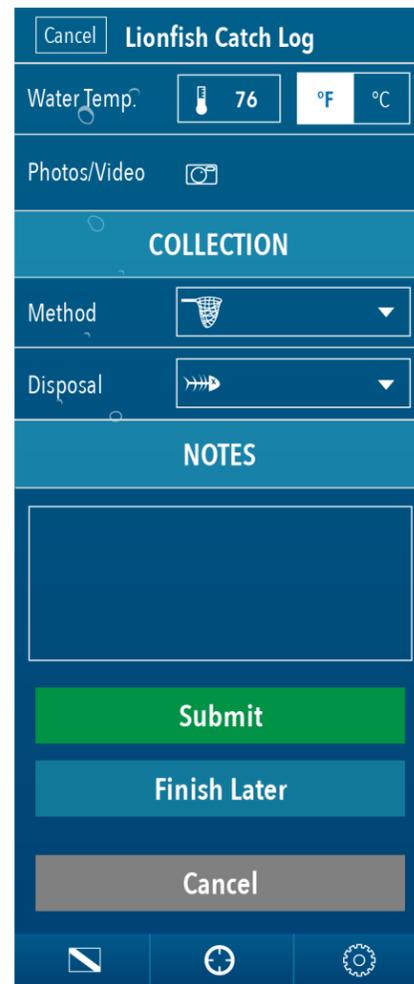
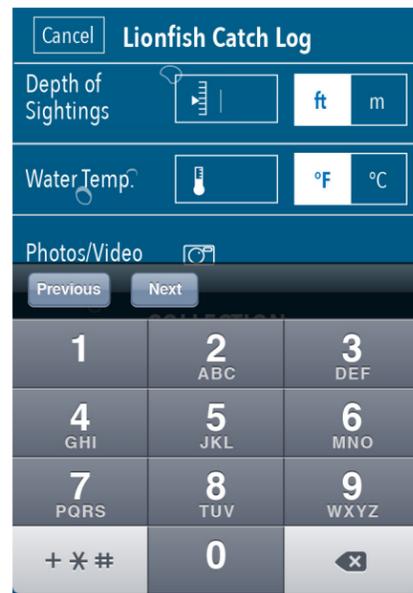
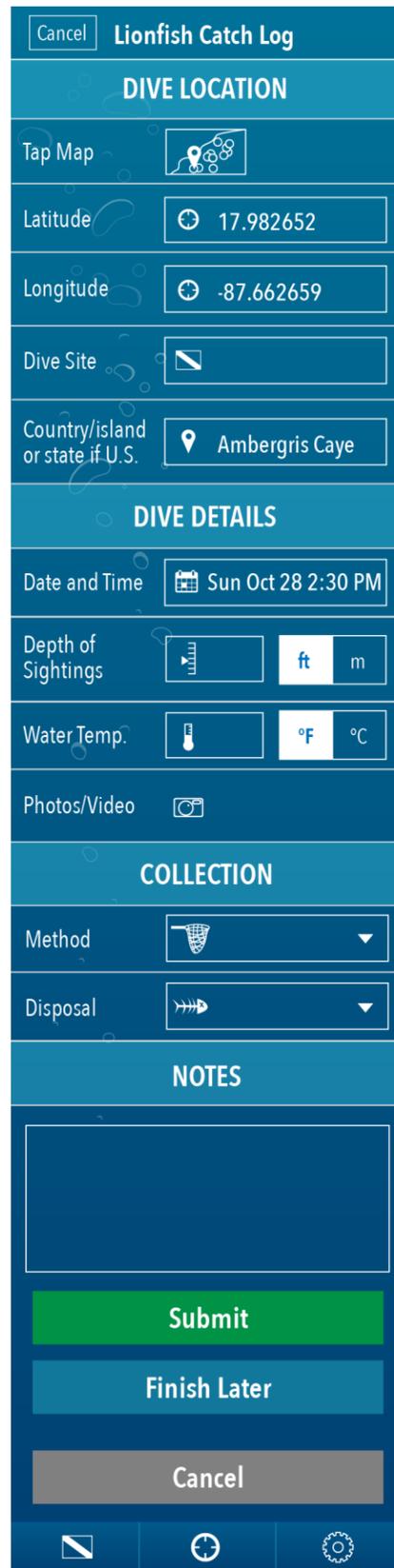
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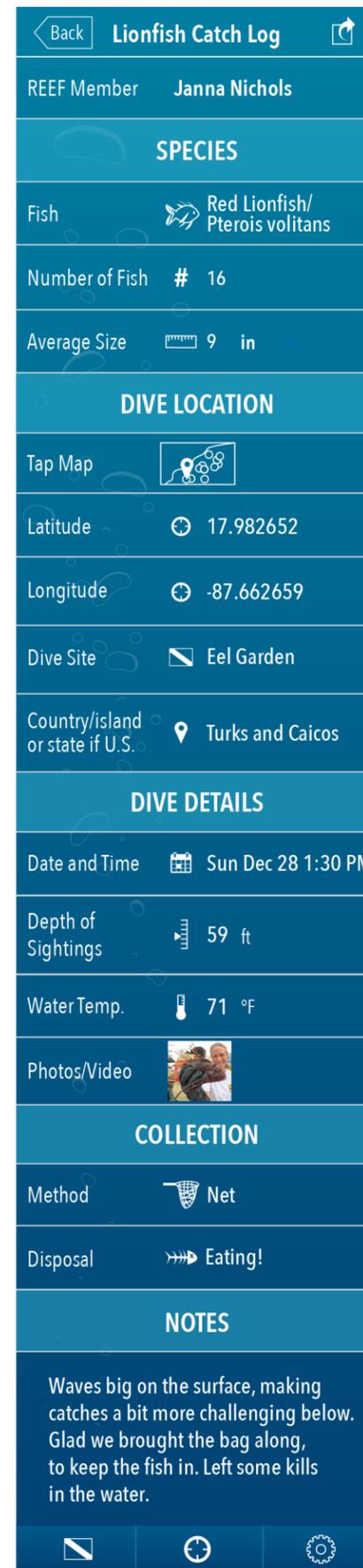
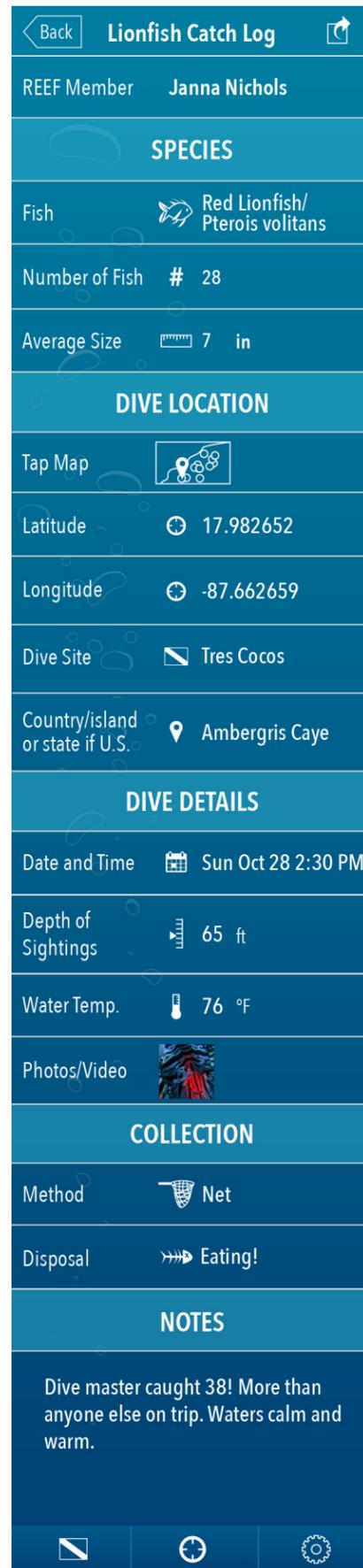
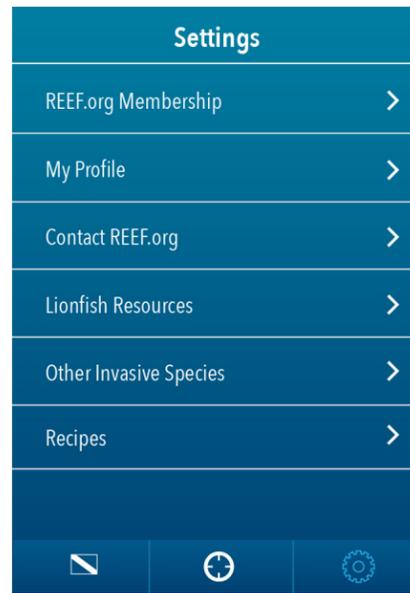
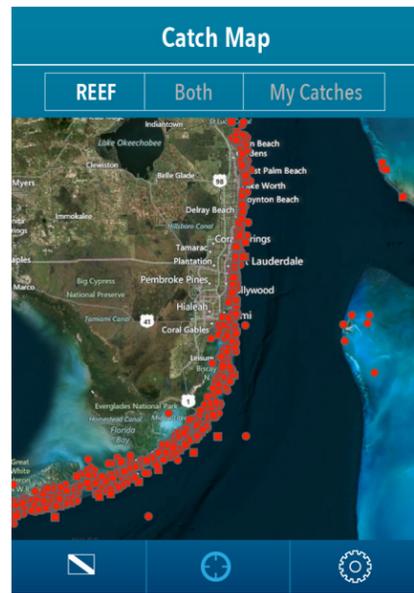
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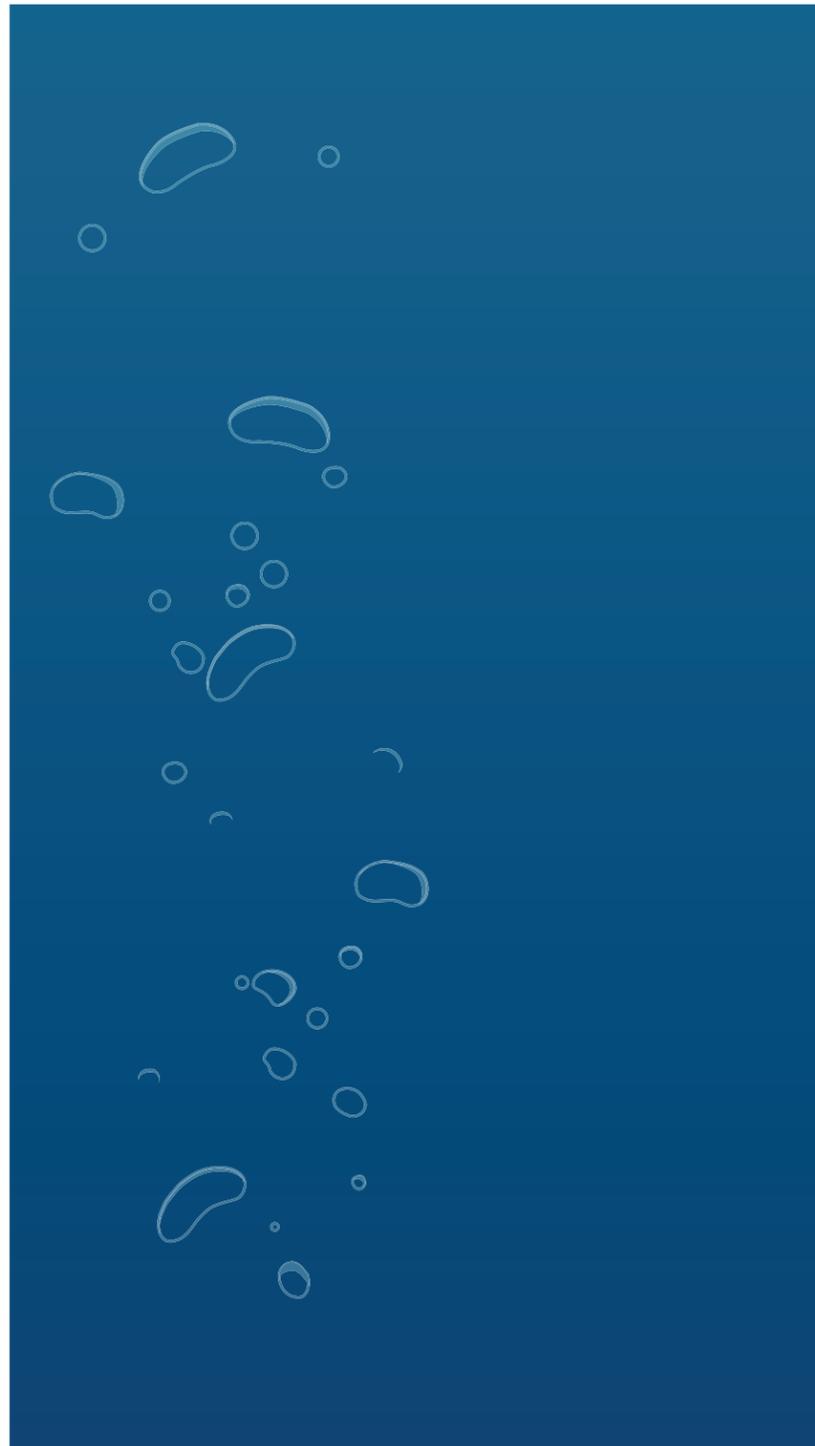
Design + Clickable Prototype







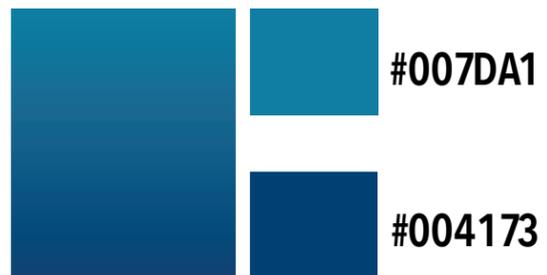
Required Images + Graphics for Development



bubbles.png
bubbles@2x.png

Transparent bubble graphics for non-retina and retina screens.

Background Gradient Specs
start and end colors:



button_green@2x.png



button_green.png

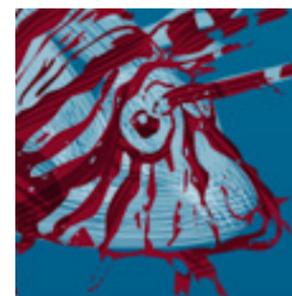


icon_diveFlag@2x.png



icon_diveFlag.png

white dive flags with transparent background



Icon@2x.png



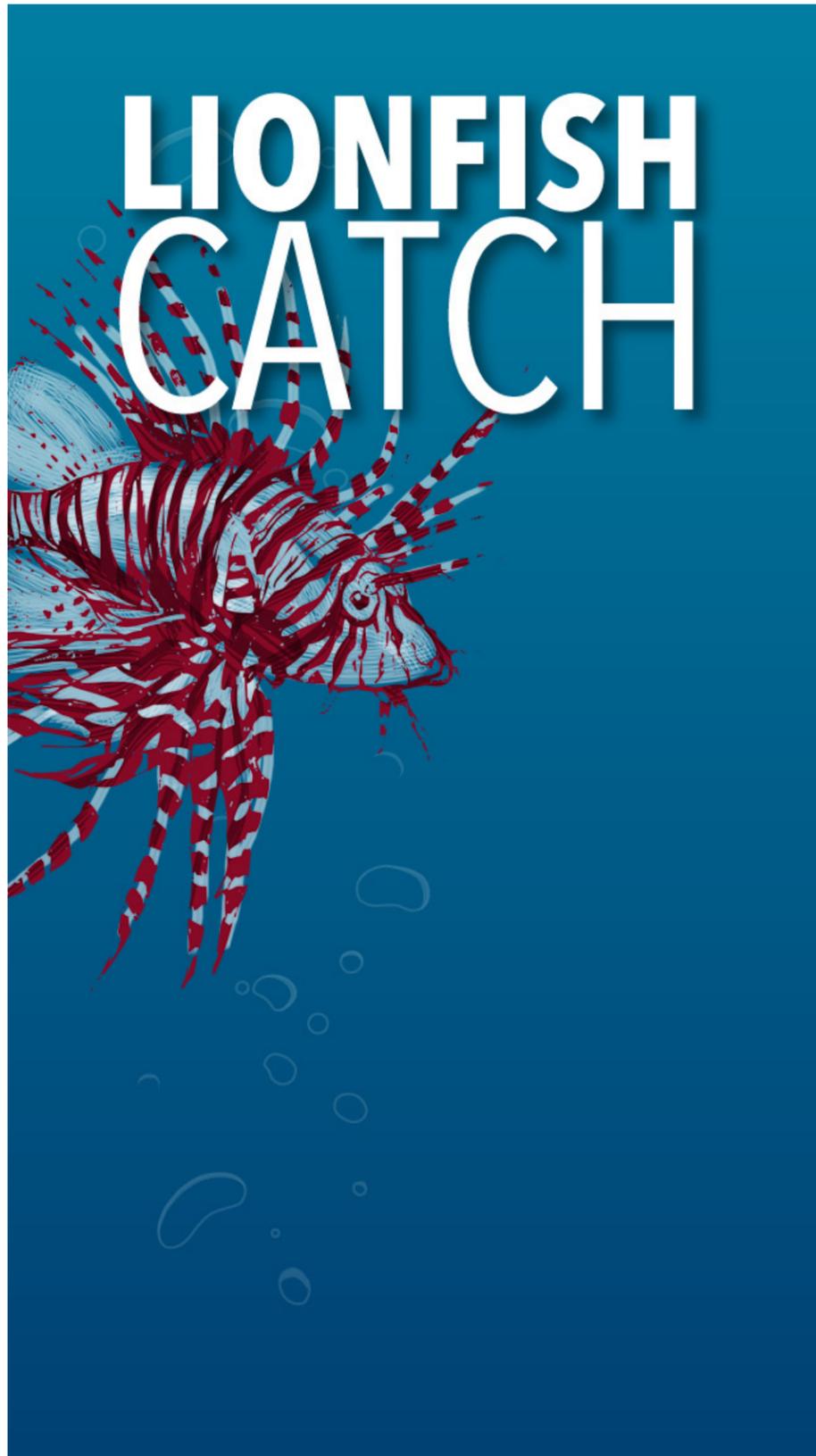
Icon.png



Icon-Small@2x.png



Icon-Small.png



Default-658@2x.png



Default@2x.png



Default.png